CHEMISTRY SECONDARY SCHOOL

SCHEME OF WORK

TEACHER'S NAME : _____ SUBJECT: CHEMISTRY CLASS : S.3 STREAM;____ TERM: I YEAR: 2025

Week	Period	Theme And Topic	Competency	Learning Outcomes	Teaching/Learning Resources	Methodology And Techniques	References	Remarks
01	12	Theme: CARBON IN LIFE CHAPTER: CARBON IN LIFE	The learner appreciated the diversity of organic compounds including alkanes, alkenes, alcohols and carboxylic acids.	By the end of this chapter, the learner should be able to; -Recognize that there is diversity of carbon compounds in living things and materials derived from living things, and that these may be classified into groups. -Understand that crude oil is a mixture of different alkanes that can be separated by fractional distillation; that these products are used as fuels and to make other useful products. -Know and appreciate that natural gas deposit are worldwide, that their main constituent is methane and that gas deposits are useful	-Videos -Charts -Photos -ICT resources -Lab apparatus -Chalk board -markers -stick notes -learner's guide -teacher's guide	-Guided group discussion -Guided Research -Guided Discovery and Explanation -Brainstorming -creating a mind map	-Learner's guide -Teacher's guide -Understanding O'level chemistry by Livingstone Kaweesi -New certificate chemistry,4th edition by Atkinson A -New Complete Junior Chemistry by Atkinson A and Saleh Z -Chemistry 7th edition; McGraw-Hill	

01	02	Theme: CARBON IN LIFE CHAPTER: CARBON IN LIFE		source of fuels and chemical feedstock. -Appreciate that biogas is a carbon-based fuel useful for cooking and lighting. -Know some common synthetic and natural polymers and how their properties relate to the uses. -Understand and appreciate that alcohols form a group of compounds of which ethanol is a typical member and has many uses. -Understand how ethanol is made naturally by fermentation of sugars and other organic substances, and be aware of the dangers of abuse of ethanol. -Know the process of making soapy detergents from natural fats and oils; and appreciate that soapless detergents are effective in removing	-Videos -Charts -Photos -ICT resources -Lab apparatus -Chalk board -markers -stick notes -learner's guide -teacher's guide	Guided group discussion -Guided Research -Guided Discovery and Explanation -Brainstorming -creating a mind map	-O'level chemistry for East Africa by Sinclair M -Learner's guide -Teacher's guide -Understanding O'level chemistry by Livingstone Kaweesi -New certificate chemistry,4th edition by Atkinson A -New Complete Junior Chemistry by Atkinson A and Saleh Z	

		Theme: CARBON IN LIFE CHAPTER: CARBON IN LIFE		oily stains. -Know that soapless detergents are made from crude oil and that soapless detergents are better cleansing agents in hard water than soapy detergents but have a more deleterious effect on environment. -Understand how organic compounds can be grouped into homologous series, each of which has similarities in structure and properties.	-Videos -Charts -Photos -ICT resources -Lab apparatus -Chalk board -markers -stick notes -learner's guide -teacher's guide	-Guided group discussion -Guided Research -Guided Discovery and Explanation -Brainstorming -creating a mind map	-O'level chemistry for East Africa by Sinclair M -Learner's guide -Teacher's guide -Understanding O'level chemistry by Livingstone Kaweesi -New certificate chemistry,4th edition by Atkinson A -New Complete Junior Chemistry by Atkinson A and Saleh Z	

	18	Theme: STRUCTURES AND BONDS Topic: STRUCTURES AND BONDS	The learner appreciates how atoms are composed of fundamental particles, and how molecules and compounds are composed of atoms.	Learners should be able to; -understand that atoms are the building blocks from which all matter is made (u) -understand the terms: element, atom, molecule, and compound', and appreciate how they are related (u) - understand how atoms of different elements differ in their subatomic structure (u)	-Videos -Charts -Photos -ICT resources -Lab apparatus -Chalk board -markers -stick notes -learner's guide -teacher's guide	-Guided group discussion -Guided Research -Guided Discovery and Explanation -Brainstorming -creating a mind map	-O'level chemistry for East Africa by Sinclair M -Learner's guide -Teacher's guide -Understanding O'level chemistry by Livingstone Kaweesi -New certificate chemistry,4th edition by Atkinson A -New Complete Junior Chemistry by Atkinson A and Saleh Z	

H.O.D's COMMENT